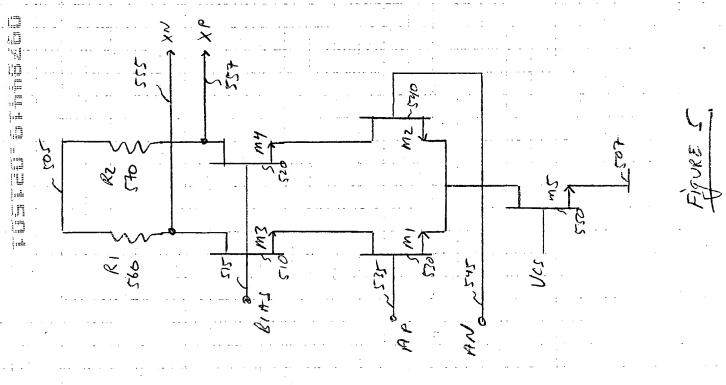
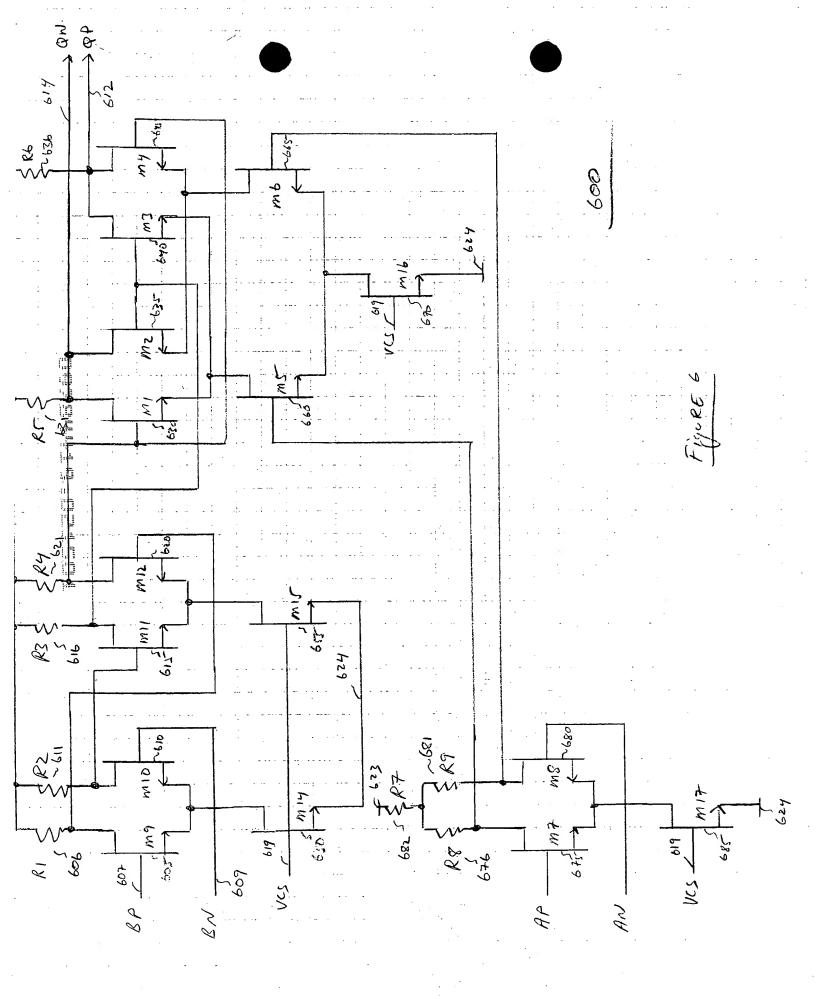


Figure 4





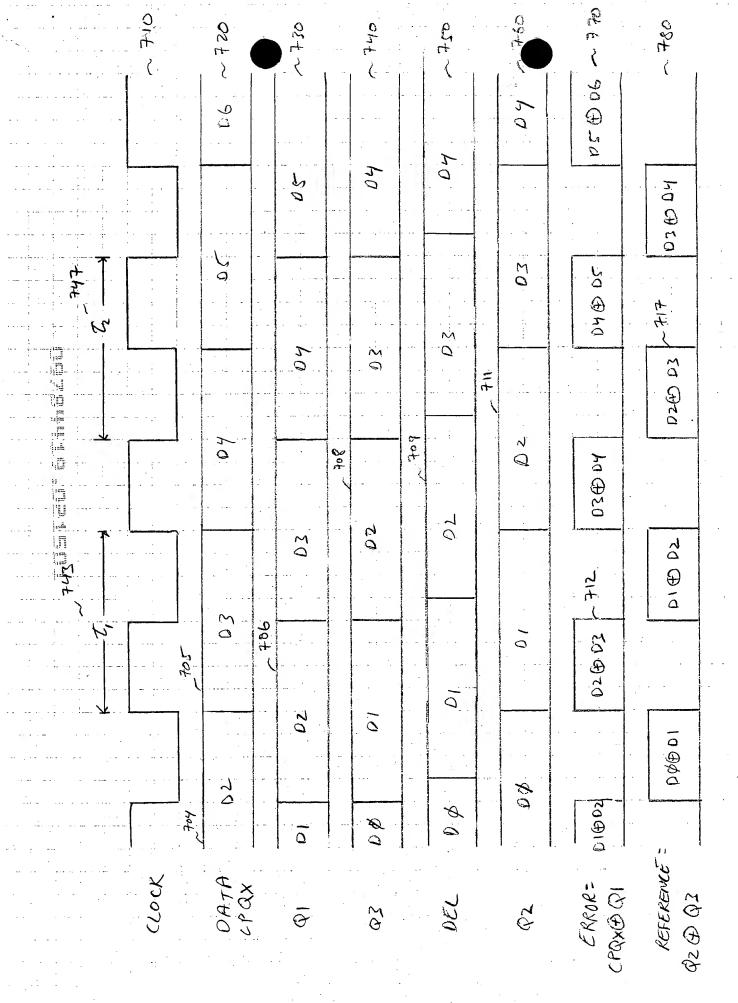
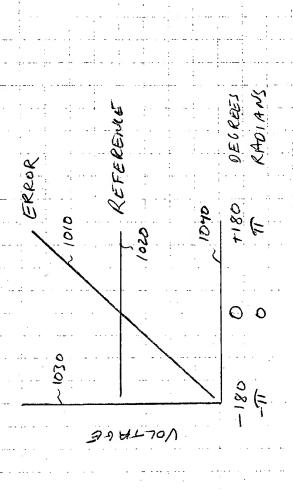


Figure 7



PROVIDE A DATA TUPUT AND A CLOCK INFUT HAVING RISING AND FALLING EDGES STORE THE DATA INPUT IN A FIRST FLIP-FLOP ON THE CLOCK FALLING EDGES. STORE THE OUTPUT OF THE FIRST FLIP-FLOP IN -1130 THIRD FLIP-FLOP ON THE CLOCK FALLING EDGES. DELAY THE OUTPUT OF THE FIRST FLIP- FLOP. STORE THE DELAYED OUTPUT OF THE FIRST PLIP-FLOP IN A SECOND FLIP- FLOP ON THE CLOCK RISING EDUES. XOR THE DATA AND THE FIRST FLIP-FLOP OUTFUT TO GENERATE AN ERROR SIGNAL. XOR THE OUTPUTS OF THE SECOND AND THIRD FLIP-FLOPS TO GENERATE A REFERENCE SIGNAL

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FiguRE 11